

**DESCRIPTION**

This unit will provide instant network switching and equal access to any connected RS232 device on the network.

**DESIGN**

Standard ports but

- (1) 8-16 expandable to 64 individual ports.
- (2) Any port to port selection.
- (3) Individual port configuration.
- (4) Independent baud rates up to 19.2 K.
- (5) Parity and flow control conversion.
- (6) DTE/DCE select switching.
- (7) All ports active simultaneously.
- (8) Select port by number, name or group.
- (9) User friendly menu driven commands.
- (10) Status display to indicate port activity.
- (11) "Help" command display menu.
- (12) No activity time-out disconnect.

**FUNCTION**

The unit will be configured so that each port can be assigned a name and configured for a baud rate, parity and handshake protocol. A spooling buffer on each port will allow for speed conversion and flow control so peripherals can talk to each other at different speeds and protocol.

**TECHNICAL FEATURES**

Interface: RS232C female 25 pin connectors  
Data Rate: Selectable for each port 19.2 K, 9600, 4800, 2400, 600, 300 or 150  
Coding: 8 bit asynchronous ASCII, 1 stop bit, no parity, 7 bit asynchronous ASCII, even/odd parity bit, 1 stop bit  
Parity: Selectable for each port, ODD, EVEN, NONE (8 bits)  
Duplex: Half or Full (ECHO)  
Battery: Shall be replaceable Lithium, with a 3 year life. The battery will back up memory which stores port names and configurations for each port.

**SPECIAL REQUIREMENTS**

The unit must interface with IBM PC's or compatibles. A computer program will be supplied, that will set the PC in a terminal emulation mode that will allow the unit to send and receive data through a serial port without having to exit the application program currently in use. The unit must also be able to interface a Microwave Data Systems, MDS 2100 series unit for a 900 Mhz Multiple Address Radio System. A known unit that meets

**ITEM 686.8043M      DATA PORT SELECTOR**

these requirements is the Western Telematic In "Smart Switch" a port to port data port selector or equal.

**BASIS OF PAYMENT**

The unit price bid shall include the cost of all labor, transportation, equipment and incidentals as required to comply to this specification. Payment will be made for the quantity furnished at the contract price.